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ME08_3

```
Administrator: Command Prompt
C:\WINDOWS\system32>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
delner/ping    latest    260fdd4beb0d   8 minutes ago  169MB
ubuntu        16.04     aefd7f02ae24   3 weeks ago    134MB

C:\WINDOWS\system32>docker ps -a
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS          NAMES
0f6e444909b8   ubuntu:16.04   "/bin/bash"             35 minutes ago Exited (0) 29 minutes ago           exciting_wing

C:\WINDOWS\system32>docker rm 0f6e
0f6e

C:\WINDOWS\system32>docker rmi 260f
Untagged: delner/ping:latest
Deleted: sha256:260fdd4beb0d2c614788eb97eefbda2056fc536ac13524c902e58d45ab814fa8
Deleted: sha256:f4e54b537e743f3f9f436e4b6c0cf5dc2fa6c2ed5a82283d52577dbadeff8938

C:\WINDOWS\system32>
```

```
C:\WINDOWS\system32>touch Dockerfile
'touch' is not recognized as an internal or external command,
operable program or batch file.
```

There is actually a Dockerfile already provided

```
D:\>cd Users\Andrei\Documents\GitHub\ME8_Containerization_and_Docker\3-building_images

D:\Users\Andrei\Documents\GitHub\ME8_Containerization_and_Docker\3-building_images>docker build -t 'delner/ping' .
invalid argument "'delner/ping'" for "-t, --tag" flag: invalid reference format
See 'docker build --help'.

D:\Users\Andrei\Documents\GitHub\ME8_Containerization_and_Docker\3-building_images>docker build -t "delner/ping" .
[+] Building 3.8s (4/5)
=> [internal] load build definition from Dockerfile                                0.1s
=> => transferring dockerfile: 358B                                              0.0s
=> [internal] load .dockerignore                                                  0.1s
=> => transferring context: 2B                                                    0.0s
=> [internal] load metadata for docker.io/library/ubuntu:16.04                  0.0s
=> [1/2] FROM docker.io/library/ubuntu:16.04                                     0.2s
=> [2/2] RUN apt-get update && apt-get install -y iputils-ping && apt-get clean && cd /var/lib/apt/ 3.5s
=> => # Get:1 http://security.ubuntu.com/ubuntu xenial-security InRelease [109 kB]
=> => # Get:2 http://archive.ubuntu.com/ubuntu xenial InRelease [247 kB]
=> => # Get:3 http://security.ubuntu.com/ubuntu xenial-security/main amd64 Packages [2051 kB]
=> => # Get:4 http://archive.ubuntu.com/ubuntu xenial-updates InRelease [109 kB]
```

```
D:\Users\Andrei\Documents\GitHub\ME8_Containerization_and_Docker\3-building_images>docker build -t "delner/ping" .
[+] Building 88.6s (6/6) FINISHED
=> [internal] load build definition from Dockerfile                                0.1s
=> => transferring dockerfile: 358B                                              0.0s
=> [internal] load .dockerignore                                                  0.1s
=> => transferring context: 2B                                                    0.0s
=> [internal] load metadata for docker.io/library/ubuntu:16.04                  0.0s
=> [1/2] FROM docker.io/library/ubuntu:16.04                                     0.2s
=> [2/2] RUN apt-get update && apt-get install -y iputils-ping && apt-get clean && cd /var/lib/apt/ 88.2s
=> exporting to image                                                            0.1s
=> => exporting layers                                                            0.1s
=> => writing image sha256:fd8b0ba216db2cc76fa3712547a213921c8b19969bbcf80512853f487a8cacb 0.0s
=> => naming to docker.io/delner/ping                                           0.0s
```

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

```
D:\Users\Andrei\Documents\GitHub\ME8_Containerization_and_Docker\3-building_images>docker build -t "delner/ping" .
[+] Building 0.1s (6/6) FINISHED
=> [internal] load build definition from Dockerfile                                0.0s
=> => transferring dockerfile: 32B                                              0.0s
=> [internal] load .dockerignore                                                  0.0s
=> => transferring context: 2B                                                    0.0s
=> [internal] load metadata for docker.io/library/ubuntu:16.04                  0.0s
=> [1/2] FROM docker.io/library/ubuntu:16.04                                     0.0s
=> CACHED [2/2] RUN apt-get update && apt-get install -y iputils-ping && apt-get clean && cd /var/li 0.0s
=> exporting to image                                                            0.0s
=> => exporting layers                                                            0.0s
=> => writing image sha256:fd8b0ba216db2cc76fa3712547a213921c8b19969bbcf80512853f487a8cacb 0.0s
=> => naming to docker.io/delner/ping                                           0.0s
```

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

```
D:\Users\Andrei\Documents\GitHub\ME8_Containerization_and_Docker\3-building_images>_
```

```
D:\Users\Andrei\Documents\GitHub\ME8_Containerization_and_Docker\3-building_images>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
delner/ping    latest    fd8b0ba216db   57 seconds ago 138MB
ubuntu         16.04     aefd7f02ae24   3 weeks ago   134MB

D:\Users\Andrei\Documents\GitHub\ME8_Containerization_and_Docker\3-building_images>docker run -it delner/ping
PING google.com (142.250.218.206) 56(84) bytes of data.
64 bytes from 142.250.218.206: icmp_seq=1 ttl=37 time=325 ms
64 bytes from 142.250.218.206: icmp_seq=2 ttl=37 time=324 ms
64 bytes from 142.250.218.206: icmp_seq=3 ttl=37 time=324 ms
^C
--- google.com ping statistics ---
3 packets transmitted, 3 received, 0% packet loss, time 2001ms
rtt min/avg/max/mdev = 324.686/325.033/325.494/0.339 ms

D:\Users\Andrei\Documents\GitHub\ME8_Containerization_and_Docker\3-building_images>
```